Index of Claims

| Application No. | Applicant(s) |  |
|-----------------|--------------|--|
| 09/834,332      | ADAMS ET AL. |  |
| Examiner        | Art Unit     |  |
| John P Lacyk    | 3736         |  |

√ Rejected
= Allowed

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| + | Restricted                     |

| N | Non-Elected  |
|---|--------------|
|   | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

|                        |                                  |              | L              |          |          |              |          |          | نـــا  |          |
|------------------------|----------------------------------|--------------|----------------|----------|----------|--------------|----------|----------|--|----------|
|                        |                                  | _            |                |          |          |              |          |          |  |          |
| Cla                    | Date                             |              |                |          |          |              |          |          |  |          |
| Final                  | Original                         | 9/17/04      |                |          |          |              |          |          |  |          |
|                        | 1                                | V            |                |          |          |              |          |          |  |          |
|                        | 2                                |              |                |          |          |              |          |          |  |          |
|                        | 3                                |              |                |          |          |              |          |          |  |          |
|                        | 4                                |              | Г              |          | _        |              |          |          |  |          |
|                        | 5                                |              | Г              |          |          |              |          |          |  |          |
|                        | 1<br>2<br>3<br>4<br>5<br>6       | П            |                |          |          |              |          |          |  |          |
|                        | 7                                | П            |                |          |          |              |          |          |  |          |
|                        | 8                                |              |                |          |          |              |          |          |  |          |
|                        | 9                                |              | Г              |          |          | Г            |          |          |  |          |
|                        | 10                               |              |                |          |          |              |          |          |  |          |
|                        | 11                               |              |                |          |          |              |          |          |  |          |
|                        | 11<br>12<br>13<br>14<br>15<br>16 | $L^{-}$      |                |          |          |              |          |          |  |          |
|                        | 13                               |              |                |          |          | Г            |          |          |  |          |
|                        | 14                               |              |                |          |          |              |          |          |  |          |
|                        | 15                               |              |                |          |          |              |          |          |  |          |
|                        | 16                               |              |                |          | -        | ٠.           |          |          |  |          |
|                        | 17                               |              |                |          |          |              |          |          |  |          |
|                        | 18<br>19                         |              |                |          |          |              |          |          |  |          |
|                        | 19                               |              |                |          |          |              |          |          |  |          |
|                        | 20                               | Г            | -              |          |          |              |          |          |  |          |
|                        | 20<br>21                         |              |                |          |          |              |          |          |  |          |
|                        | 22                               |              |                |          |          |              |          |          |  |          |
|                        | 23                               | <b>/</b>     |                |          |          |              |          |          |  |          |
|                        | 24                               | 1            |                |          |          |              |          |          |  |          |
|                        | 23<br>24<br>25                   |              |                |          |          |              | L        |          |  |          |
|                        | 26<br>27                         | Ш            | <u> </u>       |          |          |              |          | L        |  |          |
|                        | 27                               | Ш            |                |          |          |              |          |          |  |          |
|                        | 28<br>29                         | Ш            |                | <u></u>  |          | L            |          |          |  |          |
|                        | 29                               | Ш            | _              | _        |          | <u> </u>     |          |          | L  |          |
|                        | 30                               | Щ            |                |          |          | <u> </u>     |          |          |  |          |
|                        | 31                               | Щ            |                | L        | _        |              | L.       | _        | _  |          |
| <u> </u>               | 31<br>32<br>33                   | Ш            | L              | <u> </u> |          | <u> </u>     |          | <u> </u> | L  | Щ        |
|                        | 33                               | Ш            | L              | <u> </u> |          | <u> </u>     | <u> </u> | <u> </u> | $ldsymbol{ld}}}}}}$ | Щ        |
|                        | 34                               | Ш            |                | <u> </u> |          |              |          | L        | _  | Щ        |
| <b>  </b>              | 35                               | <b>∐</b>     | L.             | <u> </u> |          | <u> </u>     | <u> </u> | <u> </u> | <u> </u>   | Ш        |
| $\vdash$               | 36<br>37                         | ₩            | <b> </b>       | <u> </u> | <u> </u> | <u> </u>     | <u> </u> | <b>.</b> | $\vdash$   | Ш        |
| <b>  </b>              | 37                               | 1            | ļ              | <u> </u> | <u> </u> | <u> </u>     | <u> </u> | _        |  | Ш        |
| $\vdash \vdash$        | 38                               | #            |                | <u> </u> | <u> </u> | <u> </u>     | <u> </u> | <u> </u> | <u> </u>   | Щ        |
| <b> </b>               | 39                               | 1            | <u> </u>       | <u> </u> | <u> </u> | <u> </u>     | <u> </u> | <u> </u> | ├-   | Щ        |
| <b>├</b> ─┤            | 40                               | 1            | <u> </u>       | <u> </u> | <u> </u> | _            |          | <u> </u> | <u> </u>   | Щ        |
| $\vdash$               | 41                               | $\mathbf{H}$ |                | <u> </u> | <u> </u> | <u> </u>     | <b> </b> | ├-       | <u> </u>   | Н        |
| $\vdash \vdash \vdash$ | 42                               | ₽            | <del>  -</del> | $\vdash$ | <u> </u> | <del> </del> | <u> </u> | <u> </u> | $\vdash$   | Н        |
| $\vdash \vdash$        | 43                               |              | <b>!</b>       | <u> </u> | <u> </u> | <u> </u>     | <u> </u> | <u> </u> | $\vdash$   | Ш        |
| $\vdash \vdash$        | 44                               |              | <u> </u>       | <u> </u> | <u> </u> | <u> </u>     | $\vdash$ | <u> </u> | <u> </u>   | Ш        |
|                        | 45                               |              | $\leftarrow$   | $\vdash$ | <u> </u> |              | $\vdash$ | <u> </u> | <u> </u>   | Щ        |
| <b> </b>               | 46                               | V            | <u> </u>       |          | <u> </u> | <u> </u>     | _        |          | _  | $\vdash$ |
|                        | 47                               | <del> </del> | <u> </u>       |          | $\vdash$ | <u> </u>     |          | <u> </u> |  | Н        |
|                        | 40                               |              | 1              | ı        |          | 1            | ı        |          | 1  | . 1      |
|                        | 48<br>49                         | ├            | ├              | -        | -        | <u> </u>     | ├        | ⊢        | <u> </u>   | Н        |

| Cia      | aim      |   | _             |              |          | Date       | •        |          |          |              |
|----------|----------|---|---------------|--------------|----------|------------|----------|----------|----------|--------------|
| Final    | Original |   |               |              |          |            |          |          |          |              |
|          |          |   |               | _            | _        |            |          |          |          |              |
|          | 51       | _   | $\vdash$      | _            | <u> </u> | _          | $\vdash$ | ш        | _        |              |
| -        | 52       |   | _             | <u> </u>     | <u> </u> |            |          |          |          | _            |
|          | 53       | $\Box$  | _             | <u> </u>     |          | _          |          |          |          |              |
| <u> </u> | 54       |   |               | _            |          |            |          |          |          |              |
|          | 55       |   |               |              |          |            |          |          |          |              |
|          | 56       |   |               |              |          |            |          |          |          |              |
| ļ        | 57       | _   | L             | ļ            | _        | <u> </u>   | _        | _        |          |              |
|          | 58       |   | _             | _            | _        | Ш          |          |          |          |              |
|          | 59       |   |               |              | _        |            |          |          |          |              |
| ļ        | 60       |   | _             | $\vdash$     | _        |            |          |          |          |              |
|          | 61       |   | H             | ļ            |          |            | _        |          | $\vdash$ |              |
| -        | 62       | H   |               | H            |          |            | _        | _        | _        |              |
|          | 63       | $\vdash$  | <del> -</del> | -            | -        | $\vdash$   | <u> </u> | -        | <u> </u> |              |
| $\vdash$ | 64<br>65 | $\vdash$  | <del>-</del>  | $\vdash$     | -        | -          | _        |          | <u> </u> | _            |
| -        | 66       | $\vdash$  | ⊢             |              | _        | -          |          |          |          |              |
|          | 67       |   | $\vdash$      |              |          |            | _        | H        |          | <u> </u>     |
|          | 68       |   |               |              | $\vdash$ | $\vdash$   |          | Н        |          | $\vdash$     |
|          | 69       | $\vdash$  | _             | _            |          |            |          |          |          | _            |
|          | 70       |   |               |              |          |            | _        |          |          |              |
|          | 71       |   |               |              |          |            |          |          |          |              |
|          | 72       |   |               |              |          |            |          |          |          |              |
|          | 73       |   |               |              | _        | <u> </u>   |          |          |          | _            |
| ļ        | 74       |   | <u> </u>      | <u> </u>     | <u> </u> | <u> </u>   | _        |          |          | ļ            |
|          | 75       | $\vdash$  | $\vdash$      | <u> </u>     |          | ├—         | <u> </u> |          |          | ļ            |
|          | 76<br>77 | $\vdash$  | ⊢             | ├            | ┝        | ├          | -        |          | $\vdash$ | _            |
|          | 78       | -   | $\vdash$      | ┝            | ┝        | $\vdash$   | $\vdash$ | -        | $\vdash$ | <del> </del> |
| <u> </u> | 79       |   | <del> </del>  | _            | $\vdash$ | $\vdash$   | $\vdash$ | -        | $\vdash$ | _            |
|          | 80       | $\vdash$  | $\vdash$      |              | Н        |            |          |          | $\vdash$ |              |
|          | 81       |   |               | Г            |          |            |          |          |          |              |
|          | 82       |   |               |              |          |            |          |          |          |              |
|          | 83       |   |               |              |          |            |          |          |          |              |
|          | 84       |   | Ĺ             | Ĺ            | $\Box$   |            |          |          |          |              |
|          | 85       | $ldsymbol{le}}}}}}}}}$ | L             | <u> </u>     | L.       |            | _        | <u> </u> | _        |              |
| <u> </u> | 86       | <u> </u>  | ļ             | <u> </u>     | <u> </u> | <u> </u>   | <u> </u> | ļ        | <u> </u> | <u> </u>     |
|          | 87       | <u> </u>  | <u> </u>      | <u> </u>     | <u> </u> | <b> </b> _ | <u> </u> | <u> </u> | <u> </u> |              |
|          | 88       |   | <u> </u>      | -            | <u> </u> | $\vdash$   | _        | ├—       | <u> </u> | -            |
| -        | 89       | H   | -             | <del> </del> | -        | $\vdash$   | _        | <u> </u> |          | _            |
| -        | 90       | -   | ⊢             | -            | -        | -          | $\vdash$ | ┝        | _        | H            |
| $\vdash$ | 92       | -   | ┢             | ├            |          | ├          | $\vdash$ | ┝        | _        | _            |
| 1        | 93       | $\vdash$  | -             |              |          |            | $\vdash$ |          | $\vdash$ | 一            |
|          | 94       |   |               |              |          |            |          |          |          | ┢            |
|          | 95       |   |               |              |          |            |          |          |          |              |
|          | 96       |   |               |              |          |            |          |          |          |              |
|          | 97       | $\sqsubseteq$   | Ĺ             |              | $\Box$   |            |          |          | Ĺ        |              |
| ļ        | 98       | <u> </u>  | _             | L.           | _        | _          | _        | <u> </u> | <u> </u> | _            |
| ļ        | 99       | -   | -             | _            | $\vdash$ | L          | <u> </u> | <u> </u> | $\vdash$ | $\vdash$     |
| -        | 100      | <u> </u>  |               | Щ            | <u>_</u> | Ц.         | <u> </u> | L        | L        |              |

|              |  |          | Щ.                |                   |                                     |          |          |          | ı          |                 |  |
|--------------|--|----------|-------------------|-------------------|-------------------------------------|----------|----------|----------|------------|-----------------|--|
|              | Date   |          |                   |                   |                                     |          |          |          |            |                 |  |
|              | aim  | -        | _                 |                   |                                     |          |          |          |            | $\dashv$        |  |
| Final        | Original   |          |                   |                   |                                     |          |          |          |            |                 |  |
|              | 101  |          |                   |                   |                                     |          |          |          |            |                 |  |
|              | 102  |          |                   |                   |                                     |          |          |          |            |                 |  |
|              | 103  |          |                   |                   |                                     |          |          |          |            |                 |  |
|              | 101<br>102<br>103<br>104<br>105                      |          |                   | <u> </u>          |                                     |          |          |          |            | Ш               |  |
|              | 105  |          | _                 | <u> </u>          |                                     |          | _        | _        |            | Н               |  |
|              | 106  |          |                   | $\vdash$          |                                     |          | _        | -        | $\vdash$   | -               |  |
|              | 106<br>107<br>108                                    |          | $\vdash$          |                   |                                     | _        |          | -        |            | $\vdash$        |  |
|              | 109  |          | $\vdash$          | -                 | _                                   |          |          |          | $\vdash$   | Н               |  |
|              | 109<br>110   |          |                   |                   |                                     |          |          |          |            |                 |  |
|              | 111  |          |                   |                   |                                     |          |          |          |            |                 |  |
|              | 112  |          |                   |                   |                                     |          |          |          |            |                 |  |
|              | 111<br>112<br>113<br>114<br>115                      |          |                   | L                 |                                     |          |          |          |            | Ш               |  |
|              | 114  |          | _                 | _                 |                                     | Ш        |          |          | lacksquare | Щ               |  |
|              | 115  | _        | L                 | <u> </u>          | $\vdash$                            | $\vdash$ | $\vdash$ |          | H          | Н               |  |
| <u> </u>     | 116  |          |                   |                   | ├                                   | ⊢        |          |          | H          | $\vdash$        |  |
| <u> </u>     | 118  |          | _                 | $\vdash$          | ⊢                                   | $\vdash$ |          | -        | -          | $\vdash$        |  |
| _            | 117<br>118<br>119<br>120<br>121<br>122<br>123<br>124 |          |                   | -                 |                                     |          | <u> </u> |          | ┝          |                 |  |
|              | 120  |          | $\vdash$          | <u> </u>          |                                     |          |          |          |            |                 |  |
|              | 121  |          |                   |                   |                                     |          |          |          | $\vdash$   | $\Box$          |  |
|              | 122  |          |                   |                   |                                     |          |          |          |            |                 |  |
|              | 123  |          |                   |                   |                                     |          |          |          |            | Ш               |  |
|              | 124  | _        | _                 | _                 | <u> </u>                            | L.       |          | Ш        | _          | Щ               |  |
|              | 125  | -        | L                 | _                 | _                                   |          |          |          | _          | Н               |  |
|              | 120  |          |                   | -                 |                                     |          |          |          | <u> </u>   | $\vdash$        |  |
| <u> </u>     | 128  |          | -                 | -                 | -                                   | $\vdash$ |          |          | $\vdash$   | Н               |  |
|              | 129  | _        | -                 | <u> </u>          | ┢                                   | $\vdash$ | $\vdash$ |          | $\vdash$   | Н               |  |
|              | 125<br>126<br>127<br>128<br>129<br>130<br>131        | _        | $\vdash$          |                   | $\vdash$                            | $\vdash$ |          | Г        |            | Н               |  |
|              | 131  |          |                   |                   |                                     |          |          |          |            |                 |  |
|              | 132  |          |                   |                   |                                     |          |          |          |            |                 |  |
| <u> </u>     | 133<br>134   | <u> </u> | $ldsymbol{f eta}$ | $ldsymbol{f eta}$ | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | L        | L        | <u> </u> | ļ          | $\sqcup$        |  |
| <u> </u>     | 134  | <u> </u> | L                 | $\vdash$          | $\vdash$                            | _        | $\vdash$ | <u> </u> | <u> </u>   | $\vdash \vdash$ |  |
| <u> </u>     | 135<br>136   | -        | -                 | <del> </del>      | -                                   | ├-       | <u> </u> | $\vdash$ | $\vdash$   | ${ m H}$        |  |
| <del> </del> | 137  | $\vdash$ |                   | -                 | ┢                                   | -        |          | $\vdash$ |            | Н               |  |
| $\vdash$     | 138  |          |                   |                   | $\vdash$                            |          | -        |          |            | Н               |  |
|              | 138<br>139   |          |                   |                   |                                     |          |          |          |            |                 |  |
|              | 140  |          |                   |                   |                                     |          |          |          |            |                 |  |
|              | 141  |          |                   |                   |                                     |          |          |          |            | Ш               |  |
| <u> </u>     | 142  | <u> </u> | <u> </u>          | <u> </u>          | <u> </u>                            | <u> </u> | _        | <u> </u> |            | $\vdash$        |  |
| <u> </u>     | 143  | <u> </u> | $\vdash$          | -                 | _                                   | <u> </u> | $\vdash$ | ⊢        | -          | $\vdash \vdash$ |  |
| <u> </u>     | 144<br>145   | $\vdash$ | $\vdash$          | ┝                 | $\vdash$                            | $\vdash$ | $\vdash$ | $\vdash$ | $\vdash$   | $\vdash$        |  |
|              | 146  | -        | $\vdash$          | $\vdash$          | _                                   | $\vdash$ | -        | -        | -          | $\vdash$        |  |
|              | 147  | $\vdash$ | $\vdash$          | $\vdash$          | $\vdash$                            | -        | $\vdash$ | -        | $\vdash$   | $\vdash$        |  |
|              | 148  | -        |                   |                   | $\vdash$                            |          |          |          |            | Н               |  |
|              | 149  | Г        |                   | Г                 | Г                                   | Т        |          |          |            | М               |  |
|              | 150  |          |                   |                   |                                     |          |          |          |            |                 |  |
|              |  |          | _                 |                   |                                     |          |          |          |            |                 |  |